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Sierra Wireless AirLink RV50X Industrial 4G LTE Modem

SKU
M2M-SW-00001
MPN
1103045

Description

The AirLink® RV50X is the industry’s lowest power and most rugged 4G LTE gateway. Simple to install and easy to manage, the RV50X industrial gateway is designed to connect critical assets and infrastructure.

Ideal for industrial-grade applications in energy, utilities and smart-city infrastructure, the RV50X provides real-time remote connectivity for SCADA, distribution management systems and metering.

The RV50X supports an extensive range of LTE bands worldwide, and its LTE-Advanced capabilities deliver up to 300 Mb/s downlink speeds. The RV50X provides fallback to 3G networks for those countries still using 3G.

With the lowest power consumption available on the market, the RV50X dramatically reduces infrastructure costs when running on battery or solar power, and provides programmability to enable edge computing applications, using the ALEOS Application Framework (AAF).

Read More

- LTE-Advanced with minimal power consumption – less than 1 Watt
- Ideal for solar-powered applications
- Ruggedized, industrial grade form factor
- Supports most global 4G frequency bands
- IP64 ingress protection rating

Read More



SIERRA WIRELESS IS NOW SEMTECH

Sierra Wireless (Semtech)

Sierra Wireless (rebranding as Semtech) is a leading IoT solutions provider that combines devices, network services and software to unlock value in the connected economy. Sierra Wireless was acquired by Semtech Corporation in January 2023. With an almost 30 year history of innovation in the wireless space, we have been first to market with many technology solutions for global customers.

Our ...

Network Interfaces

Wireless Interfaces
Cellular Module
Technologies
3G UMTS, 4G LTE
Chipset/Module
Snapdragon X7 LTE

4G LTE Specifications

MIMO
2x2 MIMO
LTE Bands
B1
,
B3
,
B5
,
B7
,
B8
,
B18
,
B21
,
B28
,
B38
,
B39
,
B40
,
B41
DL Category
Cat 6
UL Category
Cat 5
Carrier Aggregation
2C CA

SIM Cards

Quantity	SIM Type
2	Standard SIM (2FF)

Modem RF Connectors

RF Connector Function	Quantity	RF Interface
Cellular	2	SMA Female

GNSS Module Technologies

GLONASS, GPS

Device RF Interface

RF Connector Function	Quantity	RF Interface
GNSS	1	SMA Female

Ethernet Interfaces

Interface	Quantity	Function	Signalling
RJ45 Copper	1	LAN	100BASE-T, 1000BASE-T

Physical Specification

Subtype

Cellular Modem

Min. Operating Temperature

-40 °C

Max. Operating Temperature

70 °C

Ingress Protection

IP64

Dimensions

119 × 94 × 34 mm

Weight

320 g

Mechanical Compliance

IEC 60068-2-27: Mechanical Shock

Compliance/Certifications

CE

,

RCM

,

RoHS

IO Interfaces

IO Connector	Quantity	Notes
DE-9 Serial	1	RS-232
USB Micro-B 2.0	1	

Power Specifications

Power Options

DC Power Input

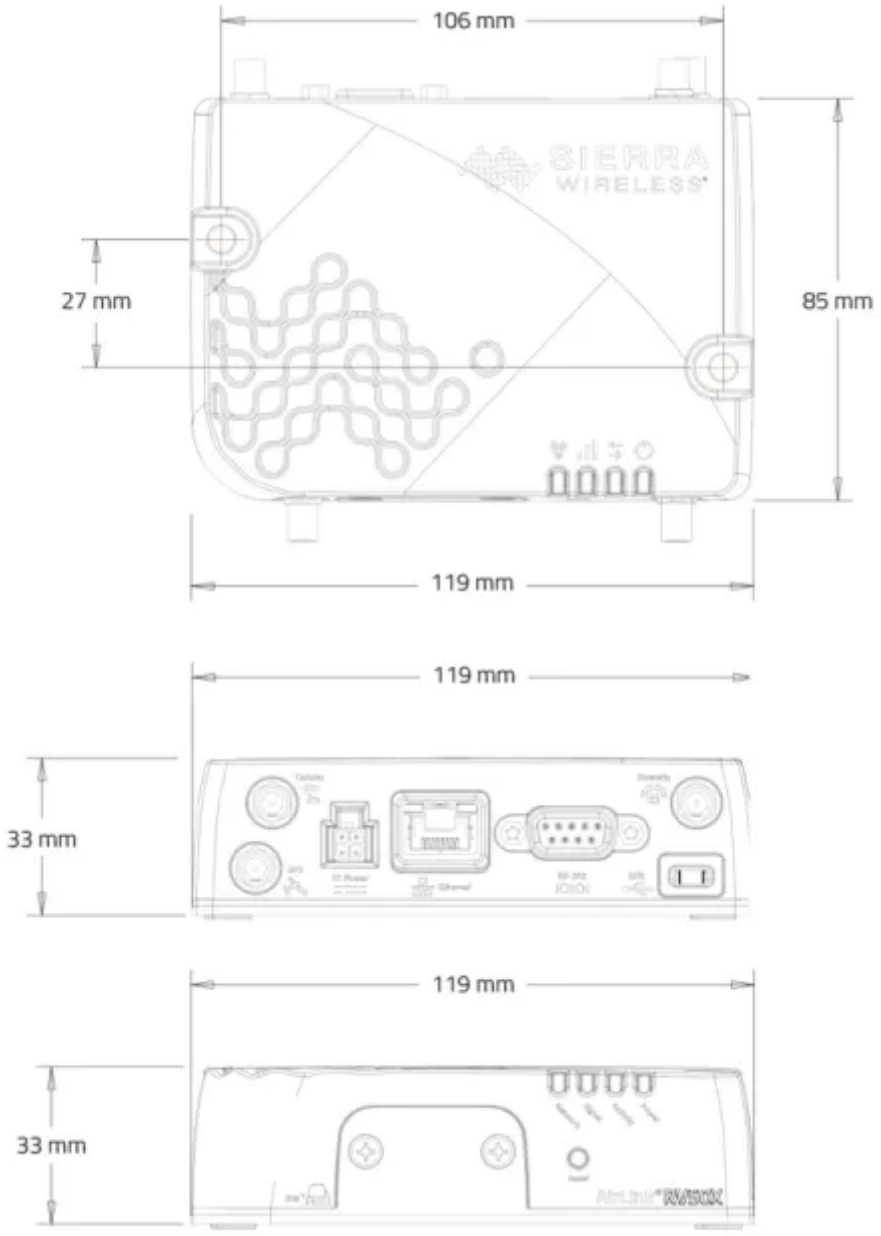
Typical Consumption

0.9 W

Power Interface

Power Connector	Nominal Voltage	Min. Input Voltage	Max. Input Voltage	Voltage Type
Molex, 4-Pin Square Micro-Fit	12 V	7 V	36 V	DC

Drawing



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